



ALUMINIUM WIRE

ST109 1.6mm

Datasheet

THE STINGER ST106 1.6MM ALUMINIUM WIRE



1. DESCRIPTION

The ST109 type aluminium wire has been identified as the most suitable type of conductor for electrified security fence applications, due to the combination of its low electrical resistance and durability, especially at coastal conditions.

2. SPECIFICATIONS

Round and smooth shaped apertures. This is to minimize damage to the conductor caused by friction.

Specification	Rating
Aluminium wire alloy	5019 H18
Aluminium wire finish	Bright Finish
	1.6mm DIA x 6kg spool D-EN, DIN
Electrical Resistance	33 Ohm/km
Corresponding prescribed norms	EN 18273 DIN 1732 DIN 1732-3 EN 10204/3.1

3. MECHANICAL PROPERTIES

Charge	Lot	Rm	Rp02	Elongation	Hard. Of. Br.	Ericksen	Earing	Z	Bend test	Pos
		N/mm2	N/mm2	AXXX%	HB	mm	%	%		
134055	2444	398.0	-	6.5	-	-	-	-	1	-

4. CHEMICAL COMPOSITION

Charge	SI	FE	Cu	Mn	Mg	Cr	Zn	Ti	Al
	%	%	%	%	%	%	%	%	%
134055	0.040	0.130	0.009	0.140	4.680	0.120	0.009	0.090	94.779

5. REGULATORY COMPLIANCE

- Directive 2002/95/EC (RoHS)
- Directive 2000/53/EC (ELV)